

We claim:

1. A method, comprising:

receiving by a multimedia processing device capable of outputting a

document multimedia data;

processing the multimedia data by multimedia processing device; and

outputting the processed multimedia data.

2. The method of claim 1, wherein the multimedia data is one from a group of audio data and video data.

3. The method of claim 1, wherein the multimedia data is a multimedia data stream.

4. The method of claim 1, wherein the multimedia data is received from a network.

5. The method of claim 1, wherein the multimedia data is received from a storage device.

6. The method of claim 1, wherein the step of processing the multimedia data further comprises:

identifying a pre-determined multimedia event in the multimedia data.

7. The method of claim 6, further comprising:

performing an action if the pre-determined multimedia event is identified.

8. The method of claim 6, further comprising:

performing an action associated with the multimedia event in an event table if the pre-determined multimedia event is identified.

9. The method of claim 1, wherein the step of receiving includes receiving the multimedia data in an analog format; and the method further comprises:

converting the multimedia data from the analog format to a digital format.

10. The method of claim 1, wherein the step of outputting the processed multimedia data is performed by writing the processed multimedia data to an archive file.

11. The method of claim 1, wherein the processed multimedia data comprises a representation of the multimedia data received by the multimedia processing device.

12. The method of claim 1, wherein the step of outputting the processed multimedia data includes outputting portions of the multimedia data as video paper.

13. The method of claim 1, wherein the step of outputting the processed multimedia data includes printing portions of the multimedia data as a paper document.

14. The method of claim 1, wherein the step of outputting the processed multimedia data includes storing portions of the multimedia data to a server from which the processed multimedia data can be accessed and displayed.

15. The method of claim 1, wherein the multimedia data is video data, and wherein the step of processing the multimedia data includes capturing a video frame from the video data and saving it to a file.

16. The method of claim 1, wherein the step of outputting further comprises saving the processed multimedia data to a storage medium and indexing the processed data.

17. The method of claim 1, wherein the multimedia data is audio data, and further comprising:

transcribing the audio data into text and wherein the step of outputting the processed multimedia data comprises outputting the text.

18. A method for capturing data, the method comprising:

receiving by a multimedia processing device multimedia data captured by a peripheral device;

processing the multimedia data to generate a control signal; and transmitting the control signal to the peripheral device.

19. The method of claim 18, wherein the step of processing the multimedia data comprises performing localization; and the control signal is for orienting the peripheral device in order to improve monitoring quality.

20. The method of claim 19, wherein the step of processing the multimedia data comprises performing audio localization; and the control signal controls orientation of at least one microphone.

21. The method of claim 19, wherein the step of processing the multimedia data comprises performing video localization; and the control signal controls orientation of a video capture device.

22. A method, comprising:

receiving by a multimedia processing device a command to process multimedia data and to perform an action responsive to an event;  
receiving multimedia data;  
detecting the event in the multimedia data; and  
performing the action responsive to detection of the event.

23. The method of 22, wherein the command is in printer description language.

24. The method of claim 22, wherein the command is sent to the multimedia processing device through a web-based user interface.

25. The method of claim 22, wherein the command comprises a template that includes a place holder for insertion of a multimedia object.
26. The method of claim 22, wherein detection of the event comprises comparing profile of the event to received multimedia data.
27. The method of claim 22, wherein the action is signaling an alarm.
28. The method of claim 22, wherein the action is printing with the multimedia processing device a document with portions of the multimedia data
29. The method of claim 28, wherein the step of printing includes printing meta data corresponding to the multimedia data
30. The method of claim 22, wherein the action is outputting a waveform representing the multimedia data received by the multimedia processing device.
31. The method of claim 22, wherein the action is storing received multimedia data.

32. A method, comprising:

receiving by a multimedia processing device capable of outputting a document multimedia data;  
processing the multimedia data with the multimedia processing device; and  
storing the processed multimedia data in the multimedia processing device  
for later access.

33. A method, comprising:

receiving by a multimedia processing device multimedia data;  
processing the multimedia data with the multimedia processing device; and  
outputting the processed multimedia data through an interface on the  
multimedia processing device wherein the multimedia processing  
device is configured to output the processed multimedia data in  
paper-based and electronic formats.

34. The method of claim 33, wherein the step of outputting the processed  
multimedia data includes saving the processed multimedia data to a storage medium and  
indexing the processed data.

35. The method of claim 33, further comprising  
receiving by the multimedia processing device a command to process the  
multimedia data and to perform an action responsive to a multimedia  
event;

detecting the multimedia event in the multimedia data; and  
executing the command responsive to detection of the multimedia event.

36. The method of claim 35, wherein the step of receiving by the multimedia  
processing device the command comprises receiving an event table having a plurality of  
events and a plurality of corresponding actions.

37. The method of claim 33, further comprising outputting the processed  
multimedia data to a server from which the processed multimedia data can be accessed.

38. The method of claim 33, wherein the processed multimedia data comprises a  
portion of the multimedia data received by the multimedia processing device.

39. The method of claim 26, wherein the multimedia data is a multimedia data  
stream.

40. The method of claim 26, wherein the multimedia data is one from the group  
of audio data and video data.

41. A printing device, comprising:

a printer;

an interface adapted to receive multimedia data;

a processor for processing multimedia data received by the interface, the

processor coupled to the interface and to the printer; and

a memory capable of storing processed multimedia data and from which the

processed multimedia data can be accessed after its creation, the

memory coupled to the processor.

42. The apparatus of claim 41 further comprising an output system capable of outputting the multimedia data

43. An apparatus, comprising:

an interface adapted to receive multimedia data;

a processor for processing multimedia data coupled to the interface; and

an output system for outputting multimedia data processed by the processor

and coupled to the processor, the output system capable of outputting

data in a plurality of formats.

44. The apparatus of claim 43 wherein the output system is configured to output processed multimedia data to one of the group of a paper document and electronic data.

45. The apparatus of claim 43 wherein the output system is configured to output processed multimedia data to a paper document and electronic data.

46. The apparatus of claim 43, further comprising an indexing/mapping module for mapping contents of the multimedia data to a second file, the indexing/mapping module coupled to the processor.

47. The apparatus of claim 43, further comprising an archiving module for storing processed multimedia data for future access by a user, the archiving module coupled to the processor.

48. The apparatus of claim 43, further comprising a localization module for generating positioning commands for a peripheral device to improve capture of multimedia data from the peripheral device, the localization module coupled to the processor.

49. The apparatus of claim 43, further comprising an event detection module for determining whether a multimedia data event has occurred, the event detection module coupled to the processor.

50. The apparatus of claim 49, wherein the event detection module uses a event table to determine whether or not an event has occurred and an action is associated with the event.